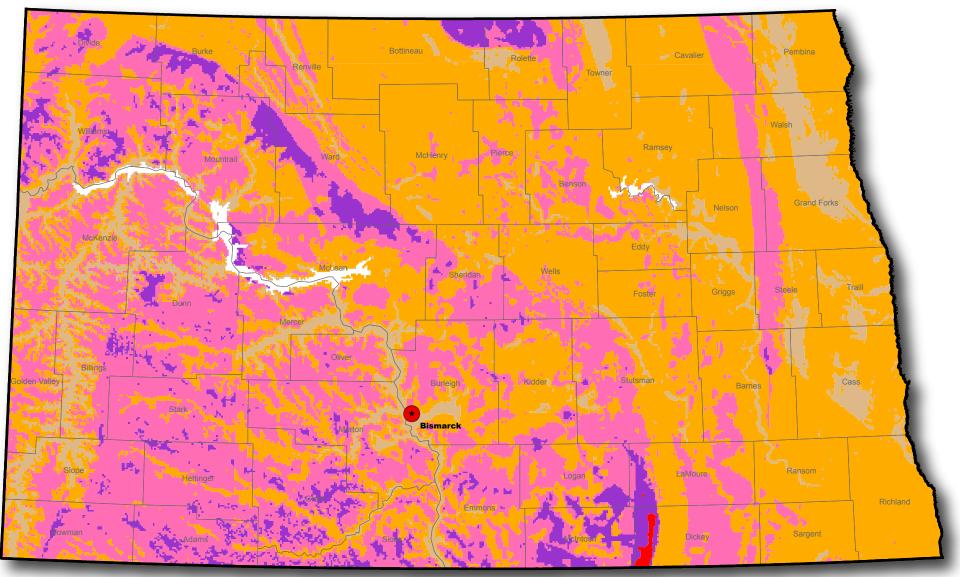
50 m Wind Power Resource

North Dakota



The wind power resource data for this map was produced by TrueWind Solutions using the Mesomap system and historical weather data. It has been validated with available surface data by the National Renewable Energy Laboratory and wind energy meteorological consultants.

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Wind Power Classification

Wind Power Class	Resouce Potential	Wind Power Density at 50m W/m ²	Wind Speed ^a at 50 m m/s	Wind Speed ^a at 50 m mph
1 2 3 4 5 6 7	Poor Marginal Fair Good Excellent Outstanding Superb	0 - 200 200 - 300 300 - 400 400 - 500 500 - 600 600 - 800 > 800	0.0 - 5.6 5.6 - 6.4 6.4 - 7.0 7.0 - 7.5 7.5 - 8.0 8.0 - 8.8 > 8.8	0.0 - 12.5 12.5 - 14.3 14.3 - 15.7 15.7 - 16.8 16.8 - 17.9 17.9 - 19.7 > 19.7

^a Wind speeds are based on a Weibull k value of 2.0



This map was produced by the National Renewable Energy Laboratory for the U.S. Department of Energy. September 25, 2007

